## **EAST Search History**

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|--|---|---------------------|---------|---------------------|
| L1    | 1    | "1154306"  | EPO   | OR                  | OFF     | 2010/06/04<br>23:06 |
| L2    | 0    | "0879991"  | EPO   | OR                  | OFF     | 2010/06/04<br>23:07 |
| L3    | 1    | "879991"   | EPO   | OR                  | OFF     | 2010/06/04<br>23:07 |
| L15   | 9420 | nakabayashi.in.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2010/06/04<br>23:21 |
| L16   | 50   | 15 and koki.in.  | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2010/06/04<br>23:21 |
| L17   | 13   | 16 and light near3 guide   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2010/06/04<br>23:22 |
| L18   | 4    | 16 and light near3 guide<br>and groove\$3  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2010/06/04<br>23:22 |
| S1    | 2    | ((three\$dimensional 3D)<br>near4 display) and<br>(backlight near5 (grooves<br>grooved)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR                  | OFF     | 2008/11/09<br>12:28 |
| S2    | 242  | 349/15.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR                  | OFF     | 2008/11/09<br>12:37 |
| S3    | 445  | 349/95.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR                  | OFF     | 2008/11/09<br>12:37 |
| S4    | 348  | S3 and @ad<"20030927"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR                  | OFF     | 2008/11/09<br>12:39 |

| S5  | 0     | S4 and grroves  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>12:39 |
|-----|-------|---|--|----|-----|---------------------|
| S7  | 29    | S4 and (grooves trenches<br>V\$shape)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>12:40 |
| S8  | 26    | S4 and (grooves trenches<br>V\$shape) and (lens<br>microlens lenslet)                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>12:43 |
| S9  | 79    | S2 and (backlight<br>lightguide)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>12:50 |
| S10 | 0     | S9 and ((backlight<br>lightguide) near2 (grooves<br>trenches))                        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>12:50 |
| S11 | 79    | S2 and (backlight<br>lightguide light\$guide)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>12:51 |
| S12 | 3     | S2 and (lightguide light<br>\$guide)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>12:53 |
| S13 | 76386 | ((light near guide)<br>lightguide)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>12:58 |
| S14 | 664   | (((light near guide)<br>lightguide) and groov\$4<br>with (lens lenslet<br>microlens)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>12:59 |
| S15 | 0     | S14 and poly\$naphthyl  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:00 |
| S16 | 0     | S13 and poly\$naphthyl  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:00 |
| S17 | 1     | S13 and poly near<br>naphthyl   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:00 |
| S18 | 289   | S13 and naphthyl  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:00 |
| S19 | 11    | S13 and naphthyl near<br>methacrylate   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:01 |
| S20 | 0     | S14 and naphthyl near<br>methacrylate   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:01 |
| S21 | 76    | S14 and methacrylate  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:05 |
| S22 | 1     | S21 and filled with grooves   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:06 |

| S23 | 402 | S14 and @ad< "20030927"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:10 |
|-----|-----|---|--|----|-----|---------------------|
| S24 | 100 | \$23 and (cylindrical with lens)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:10 |
| S25 | 6   | S24 and (filled near3<br>groove\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:12 |
| S26 | 277 | (((light near guide)<br>lightguide) and groov\$4<br>with (lens lenslet<br>microlens)) and display | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:13 |
| S27 | 61  | S26 and (cylindrical with lens)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:14 |
| S28 | 3   | \$27 and (filled near3<br>groove\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:14 |
| S29 | 2   | S14 and grooves near<br>cylindrical near lens   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:28 |
| S30 | 9   | S14 and grooves near lens   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:29 |
| S31 | 44  | light near guide and<br>grooves near3 filled near3<br>material                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:46 |
| S32 | 4   | light near guide near5<br>grooves near3 filled near3<br>material                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:48 |
| S33 | 8   | light near guide with<br>grooves near3 filled near3<br>material                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>13:52 |
| S34 | 445 | 349/95.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:23 |
| S35 | 348 | S34 and @ad<"20030927"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:23 |
| S36 | 29  | S35 and grooves   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:23 |
| S37 | 242 | 349/15.cds.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:31 |
| S38 | 164 | S37 and @ad<"20030927"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:31 |
| 539 | 35  | S38 and ((light near<br>guide) lightguide<br>backlight)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:32 |

| S40 | 24941    | display and steroscopic<br>and lightguide light near<br>guide and (lens grooves)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:38 |
|-----|----------|---|--|----|-----|---------------------|
| S41 | 2        | display and steroscopic<br>and (lightguide (light near<br>guide)) and (lens grooves)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:38 |
| S42 | 286      | display and stereoscopic<br>and (lightguide (light near<br>guide)) and (lens grooves)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:39 |
| S43 | 22       | display and stereoscopic<br>and (lightguide (light near<br>guide) with grooves)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>19:39 |
| S44 | 17       | (US-20040105048-\$ or US-20040012734-\$ or US-20010012778-\$ or US-20020089620-\$ or US-20020089620-\$ or US-5747796-\$ or US-6154262-\$ or US-5547796-\$ or US-6154262-\$ or US-564392-\$ or US-5531765-\$ or US-5831765-\$ or US-6854862-\$ or US-5831765-\$ or US-6864862-\$ or US-5831765-\$ or US-6864862-\$ or US-5897184-\$), did. or (JP-2000171798-\$), did. | US-PGPUB;<br>USPAT;<br>DERWENT           | OR | OFF | 2008/11/09          |
| S45 | 5        | S44 and ((source light)<br>near3 (led ccfl))  | US-PGPUB;<br>USPAT;<br>DERWENT           | OR | OFF | 2008/11/09<br>20:10 |
| S46 | 277      | (((light near guide)<br>lightguide) and groov\$4<br>with (lens lenslet<br>microlens)) and display   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>20:41 |
| S47 | 61       | S46 and (cylindrical with lens)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>20:41 |
| S48 | 28       | S47 and @ad<"20030927"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>20:41 |
| S49 | 10596700 | lens in grooves   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>21:11 |
| S50 | 0        | "lens in grooves"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>21:11 |
| S51 | 511      | lens near grooves   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>21:11 |
| S52 | 0        | S51 and dispaly   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/11/09<br>21:11 |

| S53 | 116  | S51 and display  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2008/11/09<br>21:11 |
|-----|------|--|--|------|-----|---------------------|
| S54 | 69   | S53 and @ad< "20030927"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2008/11/09<br>21:11 |
| S55 | 23   | (US-20040105048-\$ or US-20040012734-\$ or US-20040012734-\$ or US-20020089620-\$ or US-20070165303-\$), did, or (US-7128459-\$ or US-5747796-\$ or US-6154262-\$ or US-554674827-\$ or US-653351-\$ or US-633351-\$ or US-633765-\$ or US-664862-\$ or US-654871-\$ or US-664862-\$ or US-654871-\$ or US-6548511-\$ or US-664861-\$ or US-674787-\$ or US-6781739-\$ or US-6781731-\$ or US-6781739-\$ or US-6781739-\$ or US-6781731-\$ or US-67817 | US-PGPUB;<br>USPAT;<br>DEFIWENT          | OR . | OFF | 2009/06/07          |
| S56 | 800  | 349/62.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2009/09/29<br>18:17 |
| S57 | 1364 | 349/65.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2009/09/29<br>18:17 |
| S58 | 252  | 349/63.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2009/09/29<br>18:17 |
| S59 | 57   | 349/66.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2009/09/29<br>18:17 |
| S60 | 2220 | S56 S57 S58 S59  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2009/09/29<br>18:18 |
| S61 | 309  | 349/15.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2009/09/29<br>18:18 |
| S62 | 11   | S60 and S61  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2009/09/29<br>18:18 |
| S63 | 309  | S61  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2009/09/29<br>18:18 |
| S64 | 475  | 349/95.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2009/09/29<br>18:18 |

| S65 | 475  | S64   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2009/09/29<br>18:18 |
|-----|------|---|---|----|-----|---------------------|
| S66 | 348  | S64 and @ad< "20030927"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2009/09/29<br>18:18 |
| S67 | 348  | S66   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2009/09/29<br>18:18 |
| S68 | 2919 | S56 S57 S58 S59 S61 S64   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2009/09/29<br>18:19 |
| S69 | 1836 | S68 and @ad<"20030927"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2009/09/29<br>18:19 |
| S70 | 574  | S69 and (light\$guide light near guide lightguide)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2009/09/29<br>18:20 |
| S71 | 187  | S70 and (groove\$2 trench<br>\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2009/09/29<br>18:20 |
| S72 | 6    | S70 and (exit with groove)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2009/09/29<br>18:20 |
| S73 | 2    | ("6049649") .PN.  | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/04<br>22:02 |
| S74 | 0    | S73 and ((three<br>\$dimensional 3D) near4<br>display) and (backlight<br>near5 (grooves grooved)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2010/06/04<br>22:09 |
| S75 | 1    | S73 and (grooves trenches<br>V\$shape)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2010/06/04<br>22:10 |
| S76 | 0    | S75 and groove near3<br>material  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2010/06/04<br>22:29 |
| S77 | 0    | S75 and groove with material  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2010/06/04<br>22:29 |
| S78 | 0    | S75 and groove with fill\$3   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                                | OR | OFF | 2010/06/04<br>22:29 |

6/4/2010 11:31:50 PM H:\ EAST\ Workspaces\ 10-573084 Backlight for 3D display.wsp